AP20 Rec'd PCT/FTC 14 FEB 2006

Attorney Docket No. Serial No. 056291-5231 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) **Applicants** Andrew CASSIDY et al. **PTO Form 1449** Filing Date Group Unassigned February 14, 2006 **U.S. PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

	· · · · · · · · · · · · · · · · · · ·	FOREIGN PATE	NT DOCUMENTS				
	Document Number	Date	Country	Class	Sub Class		slation NO
/MEB/	WO 01/73134	October 4, 2001	WIPO				
/MEB/	WO 99/25873	May 27, 1999	WIPO				
						ļ <u> </u>	
						<u> </u>	

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	HU LIMELET AL: "Obtaining reliable information from minute amounts of RNA using cDNA microarrays." BMC GENOMICS 'ELECTRONIC RESOURCE!. 21 JUN 2002
/MEB/	GUSTINCICH STEFANO ET AL: "Gene discovery in genetically labeled single dopaminergic neurons of the retina." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. 6 APR 2004
	KLUR SANDRA ET AL: "Evaluation of procedures for amplification of small-size samples for hybridization on micrarrays." GENOMICS
	ZHU Y Y ET AL: "REVERSE TRANSCRIPTASE TEMPLATE SWITCHING: A SMART APPROACH FOR FULL-LENGTH CDNA LIBRARY CONSTRUCTION" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US
	SHI X ET AL: "5 RACE BY TAILING A GENERAL TEMPLATE-SWITCHING OLIGONUCLEOTIDE" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US
V	SCHMIDT W M ET AL: "Capselect: a high sensitive method for 5'cap-dependent enrichment of full-length Cdna in PCR-mediate analysis of mRNAs" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB

Examiner	/Molly Baughman/	Date Considered	12/13/2007	
Examiner: citatio applio	Initial if reference considered, whethe on if not in conformance and not considerant.			



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

PTO Form 1449

Attorney Docket No. 056291-5231	Serial No. Unassigned
Applicants Andrew CASSIDY et al.	
Filing Date	Group
February 14, 2006	Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
						-

	FOREIGN PATEN	IT DOCUMENTS			
Document Number	Date	Country	Class	Sub Class	slation NO
WO 01/73134	October 4, 2001	WIPO			
 WO 99/25873	May 27, 1999	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
HU LIMELET AL: "Obtaining reliable information from minute amounts of RNA using cDNA-microarrays." BMC GENOMICS 'ELECTRONIC RESOURCEL 21 JUN 2002—
GUSTINCICH STEFANO ET AL: "Gene discovery in genetically labeled single dopaminergic neurons of the retina." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. 6 APR 2004
KLUR SANDRA ET AL "Evaluation of procedures for amplification of small-size samples for hybridization on micrarrays." GENOMICS
ZHUYYET AL: "REVERSE TRANSCRIPTASE TEMPLATE SWITCHING: A SMART APPROACH FOR FULL LENGTH COMALIBRARY CONSTRUCTION" BIOTECHNIQUES, EATON PUBLISHING, MATICK, US
SMIX ET AL: 5 RACE BY TAILING A GENERAL TEMPLATE-SWITCHING OLIGONUCKEOTHER BIOTECHNIQUES, EATON PUBLISHING, MATICK, US
SCHMIDT W M-ET AL: "Capselect: a high sensitive method for 5'cap-dependent enrichment of full- length Cona in POR-mediate analysis of mRNAs" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB

Examiner	/Molly Baughman/	Date Considered	12/13/2007	
Examiner:	Initial if reference considered, w	hether or not citation is in conformanc	e with MPEP 609; d	raw line through
cit	ation if not in conformance and not o	considered. Include copy of this form w	vith next communicate	ation to

applicant.

•		((()		1
	TION DISCLOSURI	E CITATION)	,	tion No. 8,432
OX RE	se several sheets if necess	U.S. PAT Date FOREIGN P Date UMENTS (Including Folias of Scrapice 5): 5738-5742 (1988)	Ar] 2.8/	07	E 2 of 3
JUN 2 8 2007	PTO Form 1449 July 31, 2006			34	13°d	in't hav	Unassigned
Initial PLOSME	Document No.	U.S. PAT Date	EN	Madratei	chelled	•	iling Date
		FOREIGN P	ATE	-11.0K		~	
	Document No.	Date		- 1			anslation
	OTHER DOC	UMENTS (Includi	ng Au				
\$1.	Duguid et al. "Isolation of Nati Acad Sci USA 85(1	FsDNAs of Scrapie 5):57-38-5742 (1988	Modi		war uve Hybrid	dization of a c	ONA Library" Proc
22.	Eberwine et al. "Analysis	of Gene Expression	in Single	Live Neurons"	Proc Natl Aca	d Sci USA 89:	3010-30 14 (1992)
	Fink et al. "cDNA Array Journal of Pathology-160:	81-90-(2002)	<u> </u>	$\overline{}$			
24	Frohman et al. "Rapid Pro Specific Oligonicleotide	eduction of Full-Les Primer" Pros. Natl A	gth cDMA	SA 85(23) 899	auscripts: Aftr	lification Usia	ig a Single Gene-
25.	Fromont-Racine et al. "A 21(7):1683-1684 (1993)	highly sensitive me	Mod for n	napping the 5 te	rmini of mRN	As" Nucleic A	cids Res.
26	Gonzalez et al. "Identifica Biotechniques 26(5):884	ition and isolation o 892 (1999)	f different	ially expressed	genes from ver	y small tissue	Samples"
	Gustincich et al. Gene di USA 101(14):5069-5074	(3004)	<u> </u>				
30	Hu and Temin "Retroviral Hu et al. "Obtaining relial						
/IVILU/	3 (16):1-8 (2002) - 3 (1)	5):16-23 (2	.002)			mercarrays B	MC Genomics
	Huang et al. "A new high! Iscove et al. "Representati					-4'-11 G	1
	quantities of mRNA" Nat	Biotechnol. 20(9):9	40-943.(2	002) LINA 2011	ринеатехропе	many nom su	p-picogram
	Kato et al. "Construction of						
33.	Kellogg et al. "TaqStart A Taq DNA polymerase" Bi	nnbooy: "not start" bteenniques 16(6):1	PCR 12011 134-1137	(1994)	alizing monoc	lonal antibody	directed against
34.	Klur et al. "Evaluation of Genomics 83(3):508-517	procedures for ampl	ification o	of small-size san	ples for hybrid	dization on mic	crearrays"
35.	Livesey exal. "Microagray	Analysis of the Tra	unscription	al Network Con	profiled by the	Photoreceptor	Homeobox Gene"
	Curl Biol. 10(6):301-310 Luo et al. "Gene expressio		anturador	liscost namenat	cubrone" Nat	ura Madicina (5-117 122 (1999)
37	Luzzi/et al. "Expression Pr Oligonusleotide Arrays" A	roffling of Ductal Co	arcinoma/	in Siturby Laster	Capture Mioro		
7 38	Mahadevappa and Warring cells Nat Biotechnol 17(ton "A high-densit	у рдове ат			using 10-to 1	00-fold fewer
39	Makrigiornos et al. "A/PC genomes" Nat Biotsennol.	R-based amplification	onmethod	retaining the qu	lantitative diff	erence between	rtwo complex
۲ 40.	Manayama and Sugario "O Digoribonucleotides" Gen	ligo-capping: A sim	ple metho	d to replace the	eap structure o	f eukaryotie m	RNAs with
			· · · · · · · · · · · · · · · · · · ·				
	olly Baughman/	Date Con		12/13/200			
Examiner: Initial onformance and r	if reference considered, w tot considered. Include co	hether or not citation by of this form with	n is in con next com	formance with I munication to ap	MPEP 609; dra oplicant.	w line through	citation if not in

Attorney Docket No. Application No. 10/568,432 056291-5231-US INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Applicants: Andrew CASSIDY et al. PAGE 1 of 3 JUL 3 1 2006 PTO Form 1449 Filing Date: February 14, 2006 Group Art Unit: Unassigned July 31, 2006 TATE TRADEUN **U.S. PATENT DOCUMENTS** Filing Date Document No. Date Class Sub-Class Initial Name April 19, 1996 /MEB/ US 5,716,785 February 10, 1998 Van Gelder et al. 435 6 FOREIGN PATENT DOCUMENTS Translation Sub-Class Document No. Country Class October 4, 2001 WO 01/73134 WIPO WIPO WO 99/25873 May 27, 1999 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) Affymetrix GeneChip® Expression Analysis Technical Manual [http://www.affymetrix.com/] /MEB/ Affymetrix Technical Note GeneChip® Eukaryotic Small Sample Target Labeling Assay Version II [http://www.affymetrix.com/Download/manuals] Akowitz et al. "A novel cDNA/PCR strategy for efficient cloning of small amounts of undefined RNA" Gene 6. 81(2):295-306 (1989) Apte et al. "Anchor-ligated cDNA libraries: a technique for generating a cDNA library for the immediate cloning of the 7. 5'ands of mRNAs" Biotechniques 15:890-893 (1993) Assersohn et al. "The feasibility of using fine needle aspiration from primary breast cancers for cDNA microarray 8. analyses" Clin Cancer Res. 8(3):794-801 (2002) Barnes "PCR amplification of up to 35-kb DNA with high fidelity and high yield from lambda bacteriophage templates" Proc Natl Acad Sci USA 91(6):2216-2220 (1994) Baugh et al. "Quantitative analysis of mRNA amplification by in vitro transcription" Nucleic Acids Res. 29(5):E29 (2001) Belyavsky et al. "PCR-based cDNA library construction: general cDNA libraries at the level of a few cells" Nucleic 11. Acids Research 17(8):2919-2932 (1989) Brady et al. "Representative in vitro cDNA amplification from individual hemopoietic cells and colonies" Meth Mol Cell Biol 2:17-25 (1990) Chamberlin and Ryan in The Enzymes, ed. PD Boyer (Academic Press, New York.) 87-108 (1982) 13. Chenchik et al. "Generation and use of high-quality cDNA from small amounts of total RNA by SMART PCR" In Gene Cloning and Analysis by RT-PCR (BioTechniques Books, MA) 305-319 (1998) Cheng et al. "Temporal mapping of gene expression levels during the differentiation of individual primary hematopoieticcells" Proc Natl Acad Sci USA 93(23):13158-13163 (1996) Chirgwin et al. "Isolation of biologically active ribonucleic acid from sources enriched in ribonuclease" Biochemistry 16. 18(24):5294-5299 (1979) Chomczynski and Sacchi "Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction" Anal. Biochem. 162(1):156-159 (1987) Clark "Novel non-templated nucleotide addition reactions catalyzed by procaryotic and eucaryotic DNA polymerases" Nucleic Acids Res. 16(20):9677-9686 (1988) Dixon et al. "Expression profiling of single cells using 3 prime end amplification (TPEA) PCR" Nucleic Acids Res. 19... 26(19):4426-4431 (1998) Domec et al. "cDNA library construction from small amounts of unfractionated RNA: association of cDNA synthesis with polymerase chain reaction amplification" Anal Biochem. 188(2):422-426 (1990) Date Considered Examiner 12/13/2007 /Molly Baughman/ Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION				Attorney Docket No. 056291-5231-US			Application No. 10/568,432		
	(U:	se several sheets if nece	essary)	Ap	plicants: Andrew CA	ASSIDY et	al.		PAGE 2 of 3
		PTO Form 1449 July 31, 2006		F	Filing Date: February 14, 2006 Group Art Unit: Unassi				
U.S. P.					IT DOCUMENTS				
Initial		Document No.		Name	Cla	ss Sub-C	Class	Filing Date	
			FORFICA	J PAT	TENT DOCUMENT	L]	
		Document No.	Date	· I A	Country	Cla	ss Sub-C	Class	Translation
		OTHER DO	CUMENTS (Incl.	ıdina	Author, Title, Date	Pertinent	Pages, etc	.)	;
	21.	Duquid et al. "Isolation	n of cDNAs of Scra	nie-M	odulated RNAs by S	ubtractive I	Iybridizati	ion of	f a cDNA Library" Proc
/MEB/		Natl Acad Sci USA. 8:	5(15):5738-5742 (19	988)					
	22.	Eberwine et al. "Analy	sis of Gene Express	ion ir	Single Live Neuron	s" Proc Nat	l Acad Sci	USA	89:3010-3014 (1992)
	23.	Fink et al. "cDNA Arr		er La	ser-Assisted Microdi	ssection fro	m Nonneo	plast	ic I issue" American
	24.	Journal of Pathology 1 Frohman et al. "Rapid	Production of Full-	Lengt	h cDNAs from Rare	Transcripts	Amplific	ation	Using a Single Gene-
		Specific Oligonucleoti	de Primer" Proc Na	tl Aca	d Sci USA 85(23):89	998-9002 (1	988)		
	25.	Fromont-Racine et al.	"A highly sensitive	meth	od for mapping the 5'	termini of	mRNAs" 1	Nucle	eic Acids Res.
\forall	26.	21(7):1683-1684 (199) Gonzalez et al. "Identi	fication and isolatio	n of c	lifferentially expresse	ed genes fro	m very sm	nall ti	ssue samples"
		Biotechniques 26(5):8	84-892 (1999)						
	27.	USA 101(14):5069-50	R4(2004)	ノ					ma" Proc Nati Acad Sci
/MEB/	28.	Hu and Temin "Retrov	viral recombination	and re	verse transcription"	Science 250	(4985):12	27-12	233 (1990)
\Rightarrow	29.	Hu et al. "Obtaining re 3(16):1-8 (2002)	liable information f	iom r	ninute amounts of Ri	VA using cl	NA micro	oarra	ys: BMC Genomics
/MEB/	30.	Huang et al. "A new h	ighly sensitive two-	step F	T-PCR system" Foc	us 22: 6-7 (2000)		
I I	31,	Iscove et al. "Represer quantities of mRNA"	ntation is faithfully p	oreser	ved in global cDNA	amplified e	xponential	ly fro	om sub-picogram
	32.	Kato et al. "Constructi	on of a human full-	ength	cDNA bank" Gene	150(2):243-	250 (1994)	
V	33.	Kellogg et al. "TaqSta Taq DNA polymerase	rt Antibody: "hot st	art" P	CR facilitated by a ne	eutralizing	nonoclona	l anti	ibody directed against
	34.	Klur et al. Evaluation Genomics 83(2):508-5	of procedures for a	mplif	ication of small-size				
/MEB/	35.	Livesey et al. "Microa Curr Biol. 10(6):301-3	rray Analysis of the	Tran	scriptional Network (Controlled l	y the Pho	torec	eptor Homeobox Gene"
	36.	Luo et al. "Gene expre	ession profiles of las	ег-сај	otured adjacent neuro	nal subtype	s" Nature	Med	icine 5:117-122 (1999)
	37.	Luzzi et al. "Expression	on Profiling of Duct	al Car	cinoma in Situ by La	ser Capture	Microdiss	sectio	on and High-Density
	20	Oligonucleotide Array Mahadevappa and Wa	s" American Journa	of P	athology 158:2005-2	U10 (2001)	nethod usi	ing 1	0. to 100-fold fewer
		cells" Nat Biotechnol.	17(11):1134-1136	(1999)				
	39.	Makrigiorgos et al. "A genomes" Nat Biotech				e quantitati	ve differer	nce be	etween two complex
V	40.4	Maruyama and Sugano oligoribonucleotides"	o "Oligo-capping: a	simp	e method to replace	the cap stru	cture of eu	ıkary	otic mRNAs with
Examiner		Molly Baughman/			idered 12/13/2				
		l if reference considere						line t	hrough citation if not in

Application No. Attorney Docket No. 10/568,432 056291-5231-US INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PAGE 3 of 3 Applicants: Andrew CASSIDY et al. PTO Form 1449 Filing Date: February 14, 2006 Group Art Unit: Unassigned July 31, 2006 **U.S. PATENT DOCUMENTS** Filing Date Class Sub-Class Document No. Date Initial FOREIGN PATENT DOCUMENTS Class Sub-Class Translation Country Document No. Date OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) O'Brien et al. "RT-PCR assay for detection of transcripts from very few cells using whole cell lysates" Biotechniques /MEB/ 16(4):586-588, 590 (1994) Ohyama et al. "Laser capture microdissection-generated target sample for high-density oligonucleotide array 42. hybridization" Biotechniques 29(3):530-536 (2000) Pabon et al. "Optimized T7 amplification system for microarray analysis" Biotechniques 31(4):874-879 (2001) Phillips and Eberwine et al. "Antisense RNA Amplification: A Linear Amplification Method for Analyzing the mRNA Population from Single Living Cells" Methods 10(3):283-288 (1996) Rappolee et al. "Novel method for studying mRNA phenotypes in single or small numbers of cells" J Cell Biochem. <u> 1</u>9(1):1-11 (1989) Rosenberg et al. "Vectors for selective expression of cloned DNAs by T7 RNA polymerase" Gene 56(1):125-135 46. (1987) Schmidt and Mueller "Can Selectra highly sensitive method for 5 CAP-dependent enrichment of full length cDNA in PCK-mediated analysis of mRMAs Nucleic Acids Res. 27(21):e31(1999) Shi and Kaminsky, "5' BACE by tailing a general template switching oligonucleotide" Biotechniques 29(6):1192-1195 2000 Sive and St John "A simple subtractive hybridization technique employing photoactivatable biotin and phenol /MEB/ extraction" Nucleic Acids Res. 16(22):10937 (1988) SMART RACE cDNA Amplification Kit, CLONTECHniques XIV(1):4-6 (January 1999) Spirin et al. "Analysis of Gene Expression in Human Bullous Keratopathy Corneas Containing Limiting Amounts of 51. RNA" Investigative Ophthalmology and Visual Science 40:3108-3115 (1999) Theilgaard-Monch et al. "Profiling of gene expression in individual hematopoietic cells by global mRNA amplification 52. and slot blot analysis" J Immunol Methods 252(1-2):175-189 (2001) Van Gelder et al. "Amplified RNA synthesized from limited quantities of heterogeneous cDNA" Proc Natl Acad Sci 53. USA 87(5):1663-1667 (1990) Vernon et al. "Reproducibility of alternative probe synthesis approaches for gene expression profiling with arrays" J 54. Mol Diagn. 2(3):124-127 (2000) Wang et al. "High-fidelity mRNA amplification for gene profiling" Nat Biotechnol. 18(4):457-459 (2000) Khu et A "Reverse transeniptase template switching: a SMART approach for full-length cDNA library construction" Biotechniques 30(4):892-897-(2001) Zhumabayeva et al. "Use of SMARTTM-generated cDNA for gene expression studies in multiple human tumors" /MEB/ Biotechniques 30(1):158-163 (2001) Date Considered Examiner 12/13/2007 /Molly Baughman/ Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.